

**FALL 2019 NUCCA CONFERENCE CLASS DESCRIPTIONS  
MINNEAPOLIS, MN**

**INTRO/LEVEL 1**

**NUCCA Protocol – JOHNSON**

This class will clearly lay out step by step what is considered NUCCA treatment protocols including but not limited to supine leg check, anatometer postural readings, thermography assessment, adjusting steps, x-ray taking and analysis and even NUCCA approved equipment.

**Intro to Biomechanics I and II – SHERWOOD**

This class serves as an introduction to the biomechanics of the NUCCA protocol. Its focus is on the concept of the condylar-axial relationship and how this important factor influences frontal plane movement at the craniocervical junction.

**4 Elements – FLORY**

This class will be an overview of the NUCCA biomechanics, explaining the 4 elements that comprise the height vector and the purpose of each.

**Structural Analysis Part I – READ**

Overview x-ray analysis, height vector, rotation vector, and torque. Criteria for good films and examples of unacceptable films. Specific analysis on the lateral x-ray and the points on the vertex x-ray.

**Structural Analysis Part II – READ**

Analysis of the nasium x-ray. Establishing points and line drawing. Calculating the height vector and combining it with the rotation vector.

**Film Quality – LAPENSKI**

Participants will learn when to use which filters to get the best image for each film. They will find out what to look for to determine if they have good quality images. Participants will discover how to change mAs and filter combinations to get the crispest films. They will learn what doctors are looking for to pass films for certification. Discussion of atlas position, head rotation and proper S factors.

**Adjusting Phases Part I – FLORY**

The 8 phases and 27 individual steps of the NUCCA adjustment. Explain each phase and step so doctors understand what is accomplishing with each step. Practice drills with individual feedback on performance.

**Image Positioning – ZABELIN**

A level one class beginning with a power point presentation on the requirements and procedures in correct patient placement for the NUCCA views. The remainder of the class will be practical, with live demonstration and attending DCs and students setting classmates for the views.

### **Philosophy of NUCCA –TAYAL / FLORY**

This class will review philosophical principles related to the practice of NUCCA

### **Adjusting Phases Part II – FLORY**

The 8 phases and 27 individual steps of the NUCCA adjustment. Explain each phase and step so doctors understand what is accomplishing with each step. Practice drills with individual feedback on performance.

### **S-line – SHERWOOD**

This class will be an introduction of the purpose of the S-Line, how to draw it, and how to then properly take a Nasium radiograph. It will briefly review how to tell what S-Line a Nasium view was taken at.

### **Leg Check - FORAN**

Review the protocol and hands on experience for the supine leg check portion of the examination.

### **Headpiece Placement - PACKER**

Lecture, demonstration and participation providing an understanding and practical application in the use of the mastoid headpiece.

## **INTERMEDIATE / LEVEL 2**

### **Intermediate Biomechanics - YARDLEY**

Basic Types with the resistances encountered and what to do to with LOD and Mastoid Support to overcome those resistances as a review for the first part of the Class followed by Pre-and Post-Case studies. If I get enough Type 1's I will show the variations and how the Biomechanics changes.

### **Review of Cases - FITZPATRICK**

Doctors are encouraged to bring radiographs with them of cases from their practice for review and discussion on case management and how to obtain a better reduction of the ASC.

### **Digital X-ray Analysis – LAPENSKI**

Honing your digital x-ray analysis skills with practical cases. A step by step guide through the process as well as avoiding common errors.

### **Adjusting Phases Part I - READ**

This class is designed to help doctors learn how to develop and practice the adjusting portion of the NUCCA procedure. This part will involve hands on learning and practicing the initial adjusting phases in small groups with certified instructors.

### **Adjusting Phases Part II – PACKER**

This class will cover detailed aspects of the 8 adjusting phases of the NUCCA protocol. It will involve classroom overview and description as well as practical breakouts with certified doctors to work in small group breakouts.

### **Intermediate Headpiece Placement – JOHNSON**

This class is a practical application of proper patient positioning on the mastoid support headpiece. The head acts as the greatest lever in the upper cervical spinal correction and this class will review every micro detail to ensure the head is placed properly to allow the headpiece to be used as a fulcrum to add or decrease resistance of movement of the head to achieve better quality corrections.

## **LEVEL 2 AND 3 COMBINED**

### **Standards Update – FLORY / LAPENSKI**

This class will review any updates to the standards and protocol of the National Upper Cervical Chiropractic Association (NUCCA).

### **Upper Cervical Anatomy – SCHOLTEN**

Overview: Clinical Anatomy of the craniocervical junction

Learning Objectives: Sharpen understanding of basic and more complex areas of CCJ anatomy (osseous, ligamentous, muscular, vascular & neural considerations)

### **Keys to Certification – LAPENSKI**

How to create mastery within patient care, overcoming the most common roadblocks in Certification.

### **NUCCA Documentation – PACKER**

This class will teach the NUCCA doctors how to document what we do based on the three phases of healing and how to explain to third parties (private insurance, Medicare, personal injury) what we do and how to document it properly, so our care will be clinically supported in the language that 3<sup>rd</sup> parties can understand and accept as meeting the standards of care.

### **Structural Asymmetry – FLORY**

This class will review the frequently observed structural asymmetries seen on the NUCCA radiographs, how they can influence the NUCCA analysis protocols, and how to accommodate the analysis to accurately identify the biomechanical misalignment factors contributing to the Atlas Subluxation Complex.

### **Philosophy of NUCCA – TAYAL / FLORY**

This class will review philosophical principles related to the practice of NUCCA

## **ADVANCED / LEVEL 3**

### **Advanced Imaging – ZABELIN**

This class offers insight into aspects of image quality, from alignment to patient placement, to filtration, and covers digital components as well as analog. Attending DCs are encouraged to bring images from practice for evaluation and constructive ways to improve quality and consistency. Concepts in digital x-ray will be discussed as well.

### **Basic Type 4 Biomechanics – STOCKWELL**

Type 4 biomechanics are nothing to fear or be concerned about when you understand proper headpiece balance and support. Class time is divided between a review of type 4 biomechanics and techniques to determine the best placement of the head on the support. A knowledge of the biomechanics is elementary, but understanding the balance point will make type 4 misalignments collapse much easier than you think

### **Advanced Biomechanics – YARDLEY**

X-rays and schematic presentation of the out of pattern four basic types will be reviewed. Unusual cases with difficult concepts in biomechanics, lever systems and headpiece will be presented. The student will understand the most common difficulties in correcting each of the four basic types. In some cases, two- part correction mechanics will be presented with expectation outcomes will be discussed.

### **Torque – FLORY**

This class addresses how Torque is generated and when to apply in accordance with the position of Axis Spinous. The class begins with the definition of torque then leading into how NUCCA classifies torque as either superior or Inferior relative to Transverse plane displacement of Axis Spinous. Some discussion will be dedicated to the effects of Torque in the Sagittal Plane and how that affects the Transverse Plane. After this verbal explanation the class will be divided into groups for Practical application with a Certified NUCCA Doctor working one on one with each person in that group.

### **Advanced Headpiece Placement - PACKER**

This class will look deeper into how we are using the head as a biomechanical advantage in the reduction of the subluxation. For example, we will try and answer the question are we really positioning the head the way we think we are?

### **Advanced Adjusting - YARDLEY**

This class will take the participant beyond the 8 phases and 28 steps in the Triceps Pull Adjustment. We will be developing drills and perspectives designed to leverage the mastery of these basic phases and steps to an even greater understanding of controlling the adjustive forces to facilitate more complete corrections on the most difficult cases.”

### **Advanced Adjusting-Tricep Pull – YARDLEY**

This class will focus on practical development of the triceps pull motor skill.